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J. Brown

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE 10-13-01

Applicant: Bannon, et al. Examiner: Huynh, P.
Serial No.: 09/478,668 Art Unit: 1644
Filed: January 6, 2000 Group: 1640
For: METHODS AND REAGENTS FOR DECREASING CLINICAL REACTIONS
TO ALLERGY

Assistant Commissioner for Patents
Washington, DC 20231

RESPONSE TO OFFICE ACTION

Sir:

This Response to Office Action is filed in response to the Office Action mailed June 19, 2001, rejecting claims 14-29. The following Amendment and Remarks remove all grounds for rejection of the application, thereby placing it in condition for allowance.

Amendment

In the claims:

Please cancel claims 14-29.

Please add the following new claims 37-59:

- 37. A modified protein allergen whose amino acid sequence is substantially identical to that of a natural protein allergen except that about 10 to 17 % of the amino acids have been modified in at least one IgE epitope so that IgE binding to the modified protein allergen is reduced as compared with IgE binding to the natural protein allergen, the at least one IgE epitope being one that is recognized when the natural protein allergen is contacted with serum IgE from an individual that is allergic to the natural protein allergen.